

THIRD-ORDER LEVELING
NATIONAL GEODETIC VERTICAL DATUM OF 1929

37-087-43
MORGANFIELD QUADRANGLE
134 KENTUCKY
N3730-W8745/15
DIAGRAM NJ 16-8
EVANSVILLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

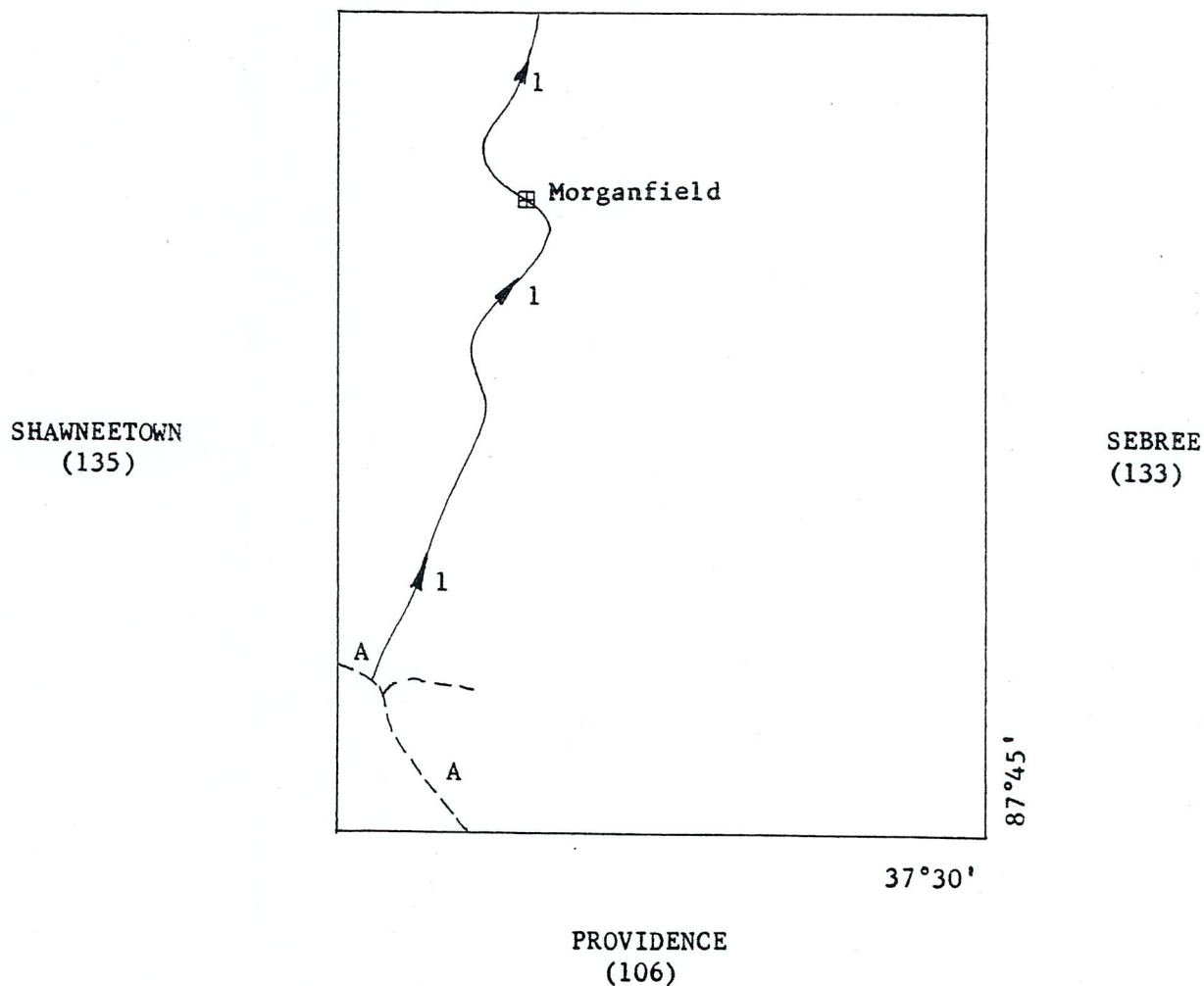
Union, Crittenden, Henderson, and
Webster Counties, Kentucky

Final adjustment of 1972

Edition of 1/24/77

PR: CRV/sws

UNIONTOWN
(158 KY.-7 IND.)



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370874

134 KENTUCKY
MORGANFIELD QUADRANGLE

37-087-43
N3730-W8745/15

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ISOLATED BENCH MARKS (By H. W. Peabody, 1907; Bullentin 554)

Feet

Herman, in front of store of J. M. Cottingham; in NW. angle of T-rd.; on iron post; standard cap stamped "402 ADJ 1903" (Destroyed, 1969)	400.939
Topeka, at NW. angle of crossroads; in S. face of SE. sandstone pillar of large white church; standard tablet stamped "430 ADJ 1903"	429.841
Herman, 3.45 mi NW. of; 25 ft N. of three-rd. intersection; 2 ft S. of fence; 300 ft NW. of house of A. G. McClanahan; 25 ft E. of telephone pole; on iron post; standard cap stamped "415 ADJ 1903" (Not found, 1969)	414.394
Waverly, in garden in N. corner of frontyard of H. T. Willet; in sandstone post 3 ft from fence; standard tablet stamped "PRIM TRAV STA NO 8 408"	407.092
Flournoy station; 70 ft from SE. corner of Illinois Central Railroad station; 65 ft W. of locust tree; 24 ft NW. of centerline of hwy.; on iron post; standard cap stamped "419 ADJ 1903" (Destroyed, 1969)	418.260
Harding Station, 50 ft E. of SE. corner of; 18 ft S. of warning post; 3 ft N. of fence; on iron post; standard cap stamped "379 ADJ 1903" (Recovered by precise leveling)	378.425
Wynn's Bridge, 500 ft NE. of; 30 ft from NW. corner of Woodmont's mill; at center of three-rd. corners; on iron post; standard cap stamped "364 ADJ 1903" (Disturbed, 1969)	363.723
Hearin; 141 ft SE. of E. corner of blacksmith shop; 63 ft NNE. of N. corner of residence of Mrs. Jennie Nall; in E. corner of garden; in 8- by 15- by 36-in. sandstone block; standard tablet stamped "PRIM TRAV STA NO 9 468 ADJ 1903" (Not found, 1968)	467.382
Shelton, 1.1 mi SW. of; at junction of T-rd. (Morganfield and Dixon Pike); 10 ft from NE. corner of small bridge; 16 ft N. of bank of ditch; on iron post; standard cap stamped "407 ADJ 1903" (Destroyed, 1969)	406.71
Shelton, 2.7 mi NE. of; at junction of T-rd.; at J. E. Gibson's; on iron post; standard cap stamped "566 ADJ 1903" (Destroyed 1969)	565.167
Topeka, at NW. angle of crossroads; in S. face of E. sandstone pillar of large white church; standard tablet stamped "430 ADJ 1903"	429.841

ISOLATED BENCH MARKS (Cont'd.)Feet

Morganfield, 3.36 mi N. of; in center of three-rd. corners; 200 ft SW. of rd. crossing; about 1.0 mi N. of Chapman station on Union-town Branch of Illinois Central Railroad; on iron post; standard cap stamped "376 ADJ 1903" (Destroyed, 1969)	375.588
Morganfield, 27 ft right of front entrance to county courthouse; in NW. face of stone course; 3 ft above ground; standard tablet stamped "RESET 1939"	437.451
Morganfield, 3.56 mi SE. of; at NE. corner of Baptist Church at Little Union; in stone post; standard tablet stamped "448 ADJ 1903" (Destroyed, 1969)	447.412
Little Union, 5.5 mi S. of; N. of rd.; 20 ft from SE. corner of house of I. H. Mahan; 2 ft outside of fence; at NW. angle of three rd. intersection at Cullen; on iron post; standard cap stamped "476 ADJ 1903" (Not found, 1969)	475.283
Bordley, N. part of town; NE. corner of brick foundation of Baptist Church; standard tablet stamped "417 ADJ 1903" (Destroyed, 1969)	415.790
<u>LINE 1.</u>	
J. E. McClane, 1950; Book AV 172	
"P 139 1949" (NGS)	355.947
"T 139 1949" (NGS)	375.009
U.E., 24 ft N. and 18 ft W. of, and level with centerline at intersection of Adams & 11th St.; on NW. curb; chiseled square	361.82
Sturgis, 1.8 mi N. of water tank, along U. S. Highway 60; 26 ft S. & 115 ft W. of, and level with centerline of hwy. at T-rd. W.; on SE. corner of S. headwall of concrete culvert under T-rd.; standard tablet stamped "JEM 28 1950 371"	370.988
Sturgis, 1.6 mi E. of water tank, along U. S. Highway 60, thence 1.93 mi N. along graveled rd.; 24 ft SW. & 15 ft E. of, and level with centerline of rd. at private rd. E.; 27 ft SW. of 24-in. Bois d-arc tree; in concrete post; Army Map Service disk stamped "TT HA 18 1946" (Destroyed, 1969)	388.784

LINE 1 (Cont'd.)Feet

Sturgis, 1.6 mi N. of post office, along U.S. Highway 60, thence 2.2 mi W. along graveled rd.; 138 ft S. of steel and concrete bridge over creek; 27 ft W. of, and about 1 ft lower than centerline of graveled rd.; 3 ft W. of ditch; 3 ft E. of fence-line; in concrete post; AMS standard disk stamped "TT HA 19 1946" (USGS value) (Reported destroyed, 1969)	372.912
Reference mark; 160 ft N. of E. corner of N. wingwall of concrete bridge over creek; chiseled square	375.40
Sturgis, 1.6 mi E. of city water tank, along U. S. Highway 60, thence W. and E. 4.4 mi along graveled rd.; 18 ft N. & 12 ft W. of, and level with centerline of rd. intersection; 4 ft W. of rock culvert; in concrete post projecting 8 in. above surface; standard tablet stamped "JEM 29 1950 397"	396.606
Sturgis, 1.6 mi E. along U. S. Highway 60 from city water tank, thence W. and N. 6 mi along graveled rd.; 0.6 mi SE. of Grove Center, along graveled rd.; 19 ft N. & 15 ft W. of, and level with centerline of rds. at rd. intersection near small wooden bridge; about 18 ft E. of small stream; in top of concrete post; standard tablet stamped "JEM 30 1950 379" (Reset, 1955)	378.569
Grove Center, 600 ft N. of RR. crossing, thence 1.08 mi NW. along graveled rd.; 23 ft N. & 21 ft W. of, and 2 ft higher than centerline of T-rd. W.; in concrete post; standard tablet stamped "JEM 31 1950 372"	371.392
Grove Center, 600 ft N. of RR. crossing, thence 3.48 mi NW. along graveled rd. to intersection with State Highway 56; 11 ft S. of and 1 ft higher than centerline State Highway 56; in S. corner of traffic triangle; 2 ft S. of mailboxes; in concrete post projecting 2 in. above surface; standard tablet stamped "JEM 32 1950 464"	464.131
Morganfield, 4 mi W. of, along State Highway 56; 15 ft W. of W. end of S. side of concrete bridge over Sugg Creek; 14 ft S. of centerline of hwy.; in concrete post; Army Map Service standard disk stamped "TT HC 1 1946" (Not found, 1969)	379.859
Morganfield, 3.9 mi W. of post office on State Highway 56; 27 ft E. of telephone pole 91; 24 ft N. of centerline of State Highway 56; 7 ft S. of E.-W. fenceline; in concrete post; Army Map Service standard disk stamped "TT HC 2 1946" (Not found, 1969)	393.429
U.E.; 51 ft E. of, and level with centerline of State Highway 268; on NE. corner of E. headwall of concrete bridge; chiseled square	390.972

LINE 1 (Cont'd.)Feet

Reference mark 2; 160 ft N. of tablet; on E. end of concrete culvert under rd.; chiseled square	399.386
Grove Center, 600 ft N. of RR. crossing, thence 1.08 mi NW. along graveled rd., thence 0.46 mi E. along State Highway 56, thence 2.1 mi NE. along State Highway 268; 30 ft NE. of and level with N.-S. rd. at T-rd. E.; in center of traffic triangle; 2 ft NE. of stop sign; in concrete post; standard tablet stamped "JEM 33 1950 403" (Not found, 1969)	402.407
U.E.; 66 ft S. and 12 ft E. of, and level with centerline of hwy. at T-rd. E.; on headwall of concrete culvert; chiseled square	424.698
Morganfield, 0.6 mi W. of post office, along State Highway 56, thence 4.4 mi NW. along graveled rd., thence 1.6 mi NE. along State Highway 268 to crossroads; 35 ft SW. of intersection at W. edge of gravel; in concrete post 2 in. below surface; AMS standard disk stamped "TT HF 10 1946" (USGS value) (Not found, 1969)	448.982
Grove Center, 600 ft N. of RR. crossing, thence 1.1 mi NW. along graveled rd., thence 3.5 mi NE. along graveled rd., thence 0.5 mi along State Highway 56, thence 4.6 mi NE. along State Highway 268, thence 1.9 mi NW. along graveled rd.; 28 ft SE. and 15 ft SW. of, and 4.0 ft higher than centerline of rd. at intersection; 12 ft N. and 6 ft E. of N. gatepost; in concrete post; standard tablet stamped "34 JEM 1950 479"	478.532
U.E.; 12 ft E. of, and 1 ft lower than centerline of rd.; on E. end of 30-in. concrete culvert under rd.; chiseled square	389.674

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

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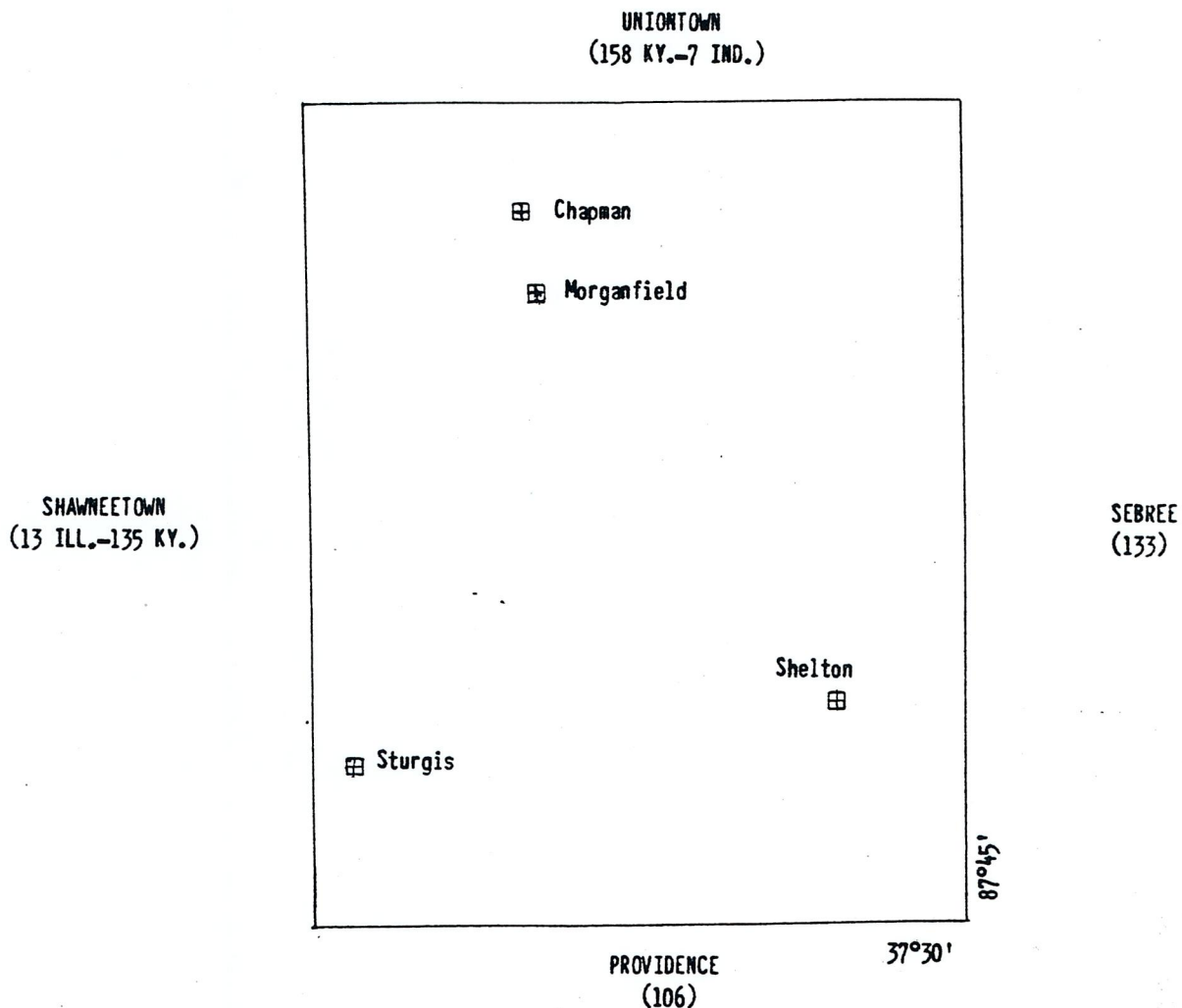
Crittenden, Henderson, Union, and
Webster Counties

Edition of 1/24/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

134 KENTUCKY
MORGANFIELD QUADRANGLE

37-087-43
W3730-W8745/15

INDEX OF PERMANENT MARKS

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NGS

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STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		O I N	O I N

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By J. R. Ellis, 1904; Books 3452, 3453, and 3542

Morganfield, about 9.2 mi SE. of; 0.4 mi SE. of Topeka; at S. corner of farm of A. J. Kennedy; 90 ft NE. of black gum tree; 72 ft NE. of tenant house on farm of L. R. Higginson; 25 ft W. of Union-Webster County line; 4 ft NE. of corner fencepost; in 7- by 8- by 25-in. sandstone post; standard tablet not stamped

X = 1,419,572	Y = 475,269	37 37 18.50	87 45 15.00
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Waverly; in garden at N. corner of frontyard of H. T. Willet; 3 ft from corner; in sandstone post; standard tablet stamped "PRIM TRAV STA NO 8 408"

X = 1,402,799	Y = 507,892	37 42 37.40	87 48 52.30
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Hearin; 141 ft SE. of E. corner of blacksmith shop; 63 ft NNE. of N. corner of residence of Mrs. Jennie Wall; in E. corner of garden; in 8- by 15- by 36-in. sandstone block; standard tablet stamped "PRIM TRAV STA NO 9 468 ADJ 1903" (Not found, 1968)

X = 1,391,378	Y = 443,764	37 32 01.03	87 50 56.65
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Uniontown, 4.0 mi SW. of; 50 ft NW. of SW. corner of house; 35 ft WSW. of 16-in. hickory tree; in yard of house; 6 ft S. of stile; 1 ft E. of front fence; in 7- by 12- by 26-in. sandstone block; standard tablet stamped "PRIM TRAV STA NO 12" (Reported destroyed, 1969)

X = 1,355,276	Y = 516,400	37 43 50.81	87 58 46.02
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By T. W. Cayce, 1951; Book AH 226

Sturgis, 0.1 mi S. of post office, along U.S. Highway 60, thence 1.5 mi right along macadam rd.; 18 ft N. of centerline of graveled rd.; 9 ft W. of Illinois Central Railroad; in concrete post; Army Map Service standard disk stamped "TI HA 17 1946" (USGS value) (Reported destroyed, 1969)

X = 1,354,355	Y = 441,848	37 31 33.71	87 58 35.61
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Sturgis; 216 ft SE. of SE. corner of I.C. RR. station; 71 ft E. of E. rail of main track; in top of SW. concrete foundation for SW. leg of city water tank; NGS standard disk stamped "T 139 1949"

X = 1,352,193	Y = 448,551	37 32 39.45	87 59 04.40
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Sturgis, 1.8 mi N. of water tank, along U.S. Highway 60; 26 ft S. and 115 ft W. of, and level with centerline of hwy. at junction of I-rd. W.; in SE. corner of S. concrete headwall of culvert under I-rd.; standard tablet stamped "28 JEM 1950 371"

X = 1,354,759	Y = 456,651	37 34 00.12	87 58 34.93
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STATION	DESCRIPTION PLANE COORDINATES, FEET	LATITUDE ° ' "	LONGITUDE ° ' "
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OBSOLETE MARKS (Cont'd.)

Sturgis, 1.6 mi E. of water tank, along U.S. Highway 60, thence 1.93 mi N. along graveled rd.; 24 ft SW. and 15 ft E. of, and level with centerline of rd. at private rd. E.; 27 ft SW. of 24-in. Bois d-arc tree; in concrete post; AMS disk stamped "TT HA 18 1946" (Reported destroyed, 1969) (USGS value)

X = 1,350,305	Y = 463,228	37 35 04.09	87 59 32.18
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Sturgis, 1.6 mi N. of post office, along U.S. Highway 60, thence 2.2 mi W. along graveled rd.; 138 ft S. of steel and concrete bridge over creek; 27 ft W. of, and about 1 ft lower than centerline of graveled rd.; 3 ft W. of ditch; 3 ft E. of fenceline; in concrete post; AMS standard disk stamped "TT HA 19 1946" (USGS value) (Reported destroyed, 1969)

X = 1,350,322	Y = 464,671	37 35 18.38	87 59 32.38
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Sturgis, 1.6 mi N. of city water tank, along U.S. Highway 60, thence 4.4 mi W. and N. along graveled rd.; 18 ft N. and 12 ft W. of, and level with centerline of rd. intersection; 4 ft W. of rock culvert; in concrete post projecting 8 in.; standard tablet stamped "29 JEM 1950 397"

X = 1,351,327	Y = 473,765	37 36 48.48	87 59 22.58
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Morganfield, 4.0 mi W. of post office, along State Highway 56; 15 ft W. of W. end of S. side of bridge over Sugg Creek; 14 ft S. of centerline of hwy.; in concrete post; AMS standard disk stamped "TT HC 1 1946" (USGS values) (Not found, 1969)

X = 1,352,135	Y = 499,542	37 41 03.45	87 59 20.13
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Morganfield, 3.9 mi W. of post office, along State Highway 56; 27 ft E. of telephone pole No. 91; 24 ft N. of centerline of Highway 56; 7 ft S. of E.-W. fenceline; in concrete post; AMS standard disk stamped "TT HC 2 1946" (USGS value) (Not found, 1969)

X = 1,352,798	Y = 499,506	37 41 03.25	87 59 11.86
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Grove Center, 600 ft N. of RR. crossing, thence 1.1 mi NW. along graveled rd., thence 0.5 mi E. along State Highway 56, thence 2.1 mi NE. along State Highway 268; 30 ft NE. of, and level with N.-S. rd. at junction of T-rd. E.; in center of traffic triangle; 2 ft NE. of stop sign; in concrete post; standard tablet stamped "33 JEM 1950 403" (Not found, 1969)

X = 1,351,248	Y = 509,476	37 42 41.43	87 59 34.10
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Morganfield, 0.6 mi W. of post office, along State Highway 56, thence 4.4 mi NW. along graveled rd., thence 1.6 mi NE. along State Highway 268 to crossroads; 35 ft SW. of intersection at W. edge of gravel; in concrete post 2 in. below surface; AMS standard disk stamped "TT HF 10 1946" (USGS value) (Not found, 1969)

X = 1,355,301	Y = 516,916	37 43 55.91	87 58 45.84
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134 KENTUCKY
MORGANFIELD QUADRANGLE

37-087-43

5

STATION DESCRIPTION
 PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

OBSOLETE MARKS (Cont'd.)

By I. H. Gessley, 1953; Book AH 2006

Clay, 0.1 mi N. of station, along State Highway 85, thence 0.4 mi along State Highway 132, thence 2.0 mi left along abandoned RR. bed (now graveled rd.); 6 ft E. of centerline of rd.; 6 ft S. of S. end of E. side of steel bridge over creek; in concrete post; AMS standard disk stamped "TT HA 11 1946" (Not found, 1969)

X = 1,393,876

Y = 434,500

37 30 30.00

87 50 23.11